

08-121

LSC Use Only No:	LSC Action-Date:	UWUCC USE Only No.	UWUCC Action-Date: Senate Action Date:
		07-581	App-4/8/08 App-4/22/08

Curriculum Proposal Cover Sheet - University-Wide Undergraduate Curriculum Committee

Contact Person Anne Kondo	Email Address akondo@iup.edu
Proposing Department/Unit Chemistry	Phone 74595

Check all appropriate lines and complete information as requested. Use a separate cover sheet for each course proposal and for each program proposal.

1. Course Proposals (check all that apply) ☐ New Course ☐ Course Prefix Change ☐ Course Deletion ☐ Course Revision ☐ Course Number and/or Title Change ☒ Catalog Description Change		
CHEM 340 Physical Chemistry for the Biological Sciences		
<u>Current</u> Course prefix, number and full title	<u>Proposed</u> course prefix, number and full title, if changing	
2. Additional Course Designations: check if appropriate ☐ This course is also proposed as a Liberal Studies Course. ☐ Other: (e.g., Women's Studies, Pan-African) ☐ This course is also proposed as an Honors College Course.		
3. Program Proposals ☐ New Degree Program ☐ Program Title Change ☐ Program Revision ☐ New Minor Program ☐ New Track ☐ Other		
<u>Current</u> program name	<u>Proposed</u> program name, if changing	
4. Approvals		Date
Department Curriculum Committee Chair(s)	Wendy Dou Elcesse	11/28/07
Department Chair(s)	John Woolrich	11/28/07
College Curriculum Committee Chair	[Signature]	04/04/08
College Dean	Dan Stord	4-4-08
Director of Liberal Studies *		
Director of Honors College *		
Provost *		
Additional signatures as appropriate: (include title)		
UWUCC Co-Chairs	Gail S Sechiest	4-8-08

* where applicable

Received
 APR 04 2008
 Liberal Studies

Part II. Description of Curriculum Change

1. New Catalog Description

CHEM 340 - Phys Chemistry for the Biological Sciences

3c-0l-3cr

Prerequisites: MATH 122 or MATH 225 and PHYS 122 or PHYS 132 and CHEM 232

A one-semester course for Biochemistry and Biology majors. Chemical thermodynamics, equilibria, kinetics; quantum mechanics; and spectroscopy especially as applied to biomechanical systems.

Restrictions: Must be enrolled in one of the following Level(s): Undergraduate, Graduate

Must be enrolled in one of the following Major(s): Biology, Biochemistry

2. Old catalog description.

CHEM 340 - Phys Chemistry for the Biological Sciences

3c-0l-3cr

Prerequisites: MATH 122 or MATH 124 or MATH 128 and PHYS 122 or PHYS 132 and CHEM 232

A one-semester course for Biochemistry and Biology majors. Chemical thermodynamics, equilibria, kinetics; quantum mechanics; and spectroscopy especially as applied to biomechanical systems.

Restrictions: Must be enrolled in one of the following Level(s): Undergraduate, Graduate

Must be enrolled in one of the following Major(s): Biology, Biochemistry

3. Justification/rationale for the change.

Changes to prerequisites are prompted by recent changes by the Math department to the calculus courses MATH 123 & MATH 124 to MATH 125, Math 126 and MATH 225. MATH 128 was dropped as a prerequisite because it is no longer offered.

Part III. Letters of Support or Acknowledgement

Attach letters from interested or affected departments.

Letter from Dr. Gary Stoudt is attached to the program proposals.